

TECHNICAL MANUAL

ROTEL[®] RA-84OBX3

STEREO INTEGRATED AMPLIFIER

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THE ROTEL CO., LTD.

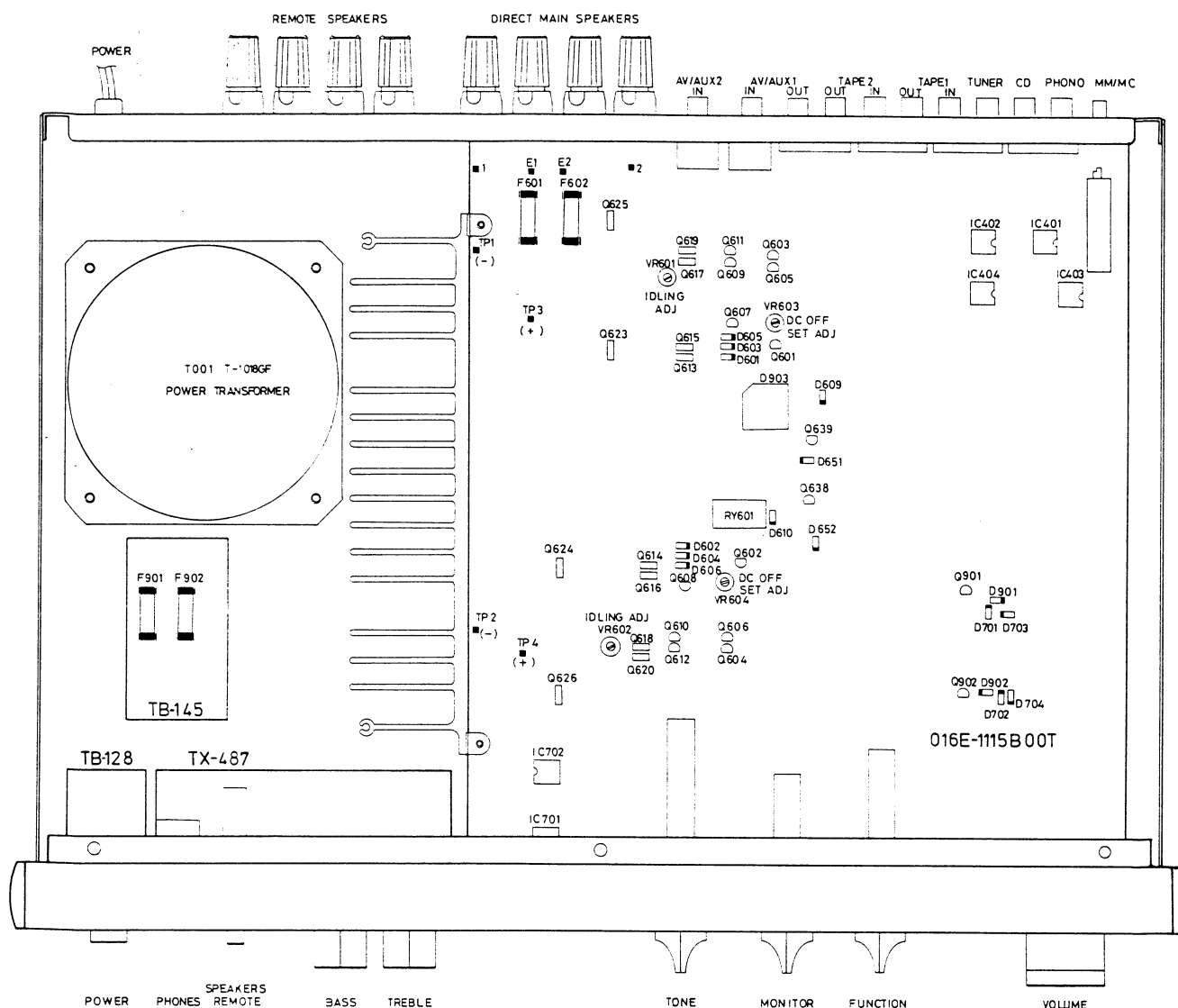
1-36-8 OHOKAYAMA, MEGURO-KU, TOKYO 152, JAPAN

ROTEL ELECTRONICS CO., LTD.

ROTEL BLDG., 3F, NO. 35, FUSING N. ROAD, TAIPEI, TAIWAN, REPUBLIC OF CHINA

MN20Q1 433

Chassis Layout



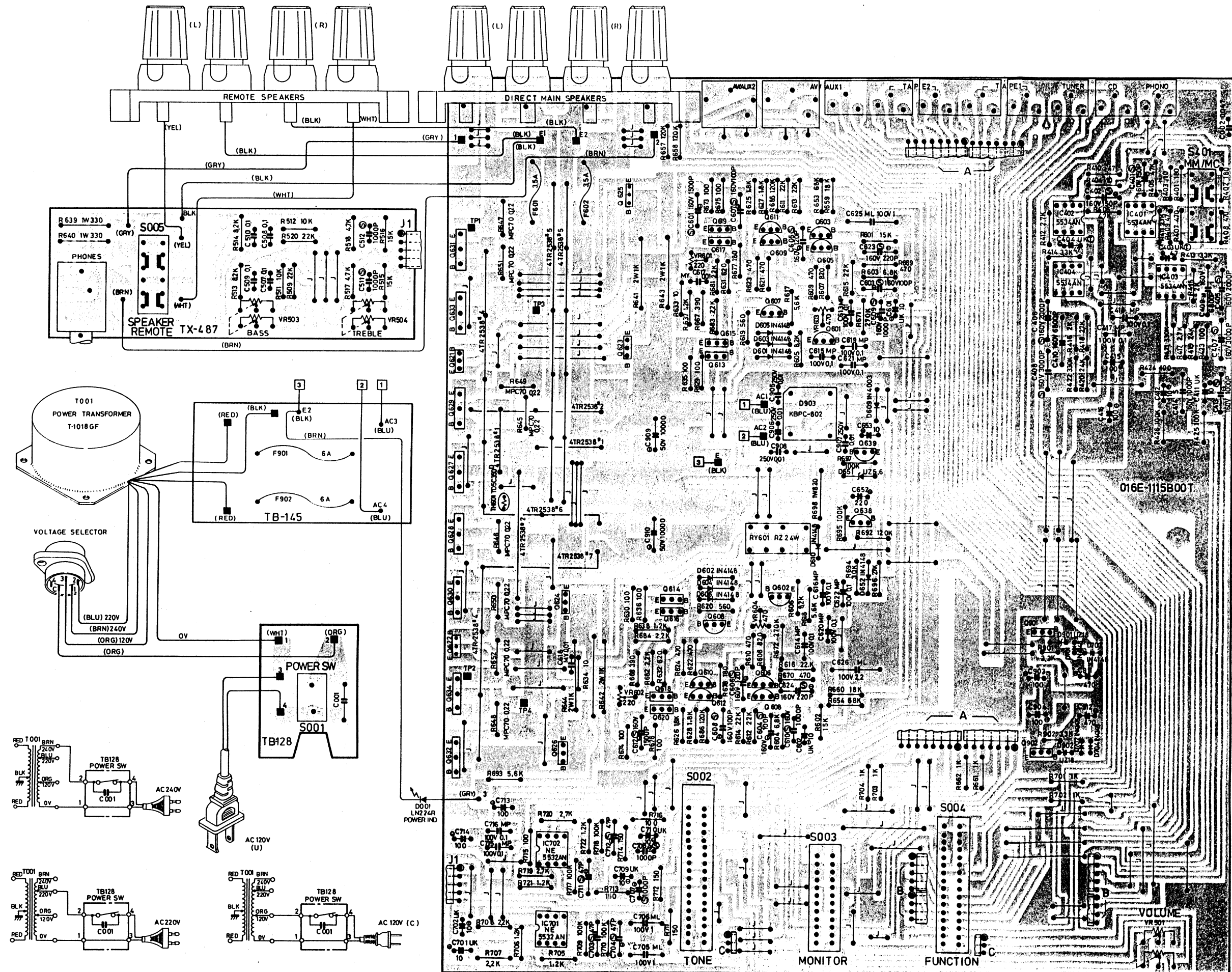
Power Amplifier Bias Adjustment

Instruments: DC milli-voltmeter

Notes: Prior to Bias Adjustment, run about 5 minutes with rated output (8 ohm) and warm up Power Transistor and Heat Sink.
Set Volume Control to Minimum.

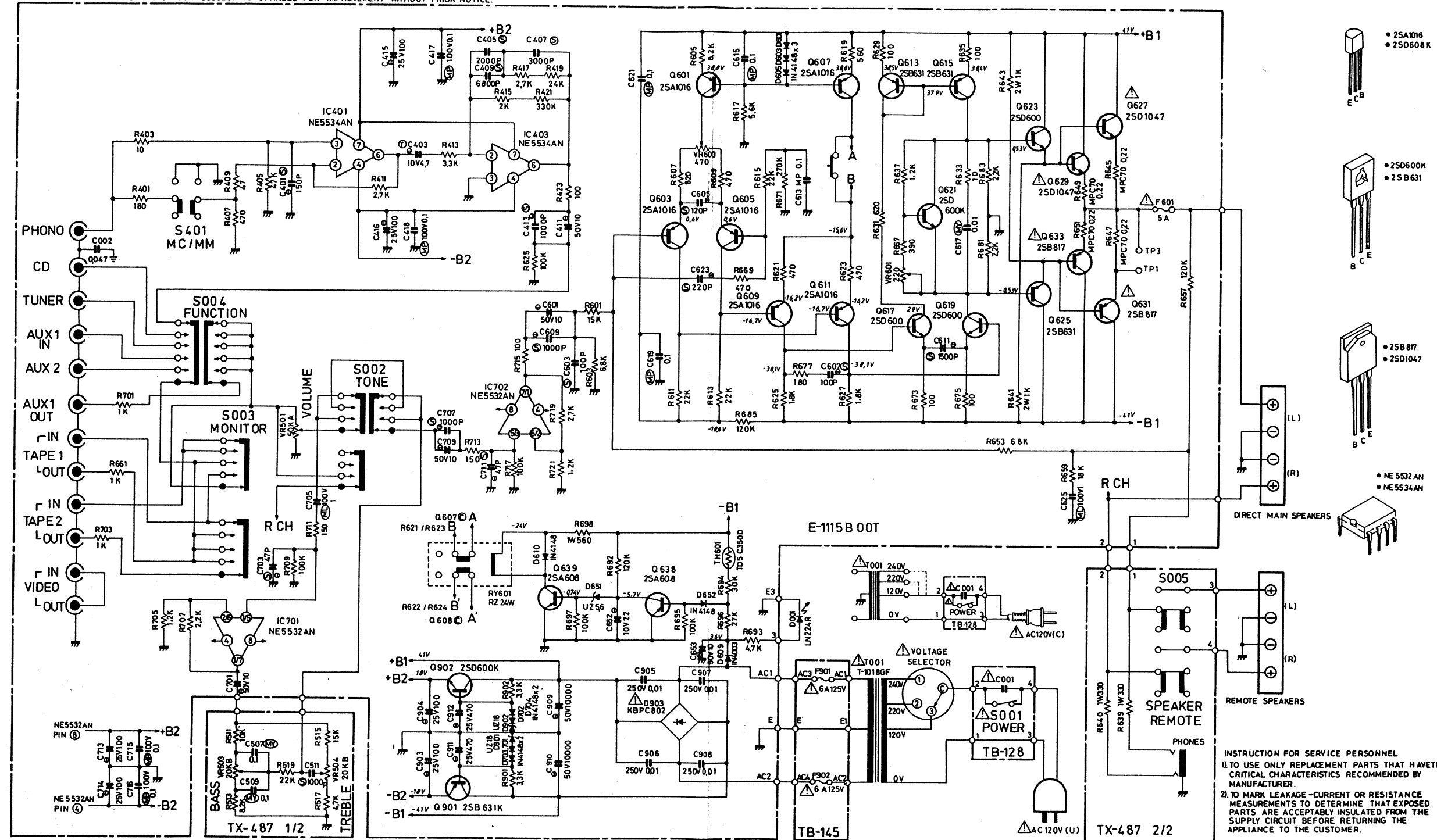
Step	Coupling		Adjust	Adjust for
	Plus Lead	Minus Lead		
1	TP3	TP1	VR601	DC milli-voltmeter reads 2.5mV
2	TP4	TP2	VR602	
3	1	E1	VR603	DC milli-voltmeter reads 0mV
4	2	E2	VR604	

Wiring Diagram



Schematic Diagram

NOTE: PARTS AND CIRCUIT SUBJECT TO CHANGES FOR IMPROVEMENT WITHOUT PRIOR NOTICE.



Repair Parts List

Schematic Location	Computer No.	Description
IC401-404	IC00001735	IC (8 Pin), NE5534AN
IC701,702	IC00001693	IC(8 Pin), NE5532AN
Q601-612	TR10000023	Transistor, 2SA1016(G,H)
Q613-616	TR10000047	Transistor, 2SB631K (E,F)
Q617-624	TR40000069	Transistor, 2SD600K (E,F)
Q625, 626	TR10000047	Transistor, 2SB631K (E,F)
Q627-680	TR40000045	Power Transistor, 2SD1047(D,E)
Q631-634	TR20000040	Power Transistor, 2SB817(D,E)
638, 639	TR10000126	Transistor, 2SA608K (F,G)
Q901	TR10000047	Transistor 2SB631K (E,F)
Q902	TR40000069	Transistor 2SD600K (E,F)

Schematic Location	Computer No.	Description
D601-606	DD10000100	Diode, IN4148
D609	DD10000068	Diode, IN4003
D610	DD10000100	Diode, IN4148
D651	DD20000168	Diode, UZ-5.6B(M,H)
D652	DD10000100	Diode, IN4148
D701-704	DD10000100	Diode, IN4148
D901, 902	DD20000041	Diode, UZ-18B (M,H)
D903	DD10000147	Diode, KBPC-802 / PBPC803
D001	DD40000095	LED, LN224R
TH601	DD60000260	Thermistor, TD5C350D
VR501	RV10000408	4TR-1505, 50KA x 2 Volume

Schematic Location	Computer No.	Description
VR503,504	RV10000433	4TR-1742, 20KB x 2 Bass, Treble
VR601, 602	RV40000046	VM6CKPV-1S-B 220 ohm
VR603, 604	RV40000058	VM6CKPV-1S-B 470 ohm
S001	SH40000120	C-3600B-T, Power Switch
S002	SH30000420	4TR-2401 063N K20 Tone
S003	SH30000407	4TR-2399 044N K20 Monitor
S004	SH30000419	4TR-2400 045N K20 Function SW
S005	SH11000239	4TR-2328, Speaker Remote
S401	SH11000264	4TR-2407, MM/MC
F601,602	FU12000100	Fuse, 250V 5A UL/CSA
	FU21000060	Fuse, Mini 5A

Schematic Location	Computer No.	Description
	FU23000074	Fuse, 250V 5A S
F901,902	FU12000136	Fuse, 125V Long 6A UL/CSA
	FU21000083	Fuse, Mini 6.3A
	FU23000086	Fuse, 250V 6.3A S